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NOTES AND NEWS.

EDITED BY E. J. MOULTON, Northwestern University, Evanston, Ill.

The announcement in this MONTHLY (*1920*, 88) that Assistant Professor FLORENCE P. LEWIS had been promoted to an associate professorship in mathematics was somewhat belated, as this promotion took place in 1913.

At Cornell University Mr. D. S. MORSE of Union College, Professor W. L. G. WILLIAMS, of William and Mary College, Mr. H. PORITSKY and Mr. H. M. LUFKIN (*1920*, 43) have been appointed instructors in mathematics for next year. Professor JAMES MCMAHON has been granted leave of absence for the year 1920–1921, Professor ARTHUR RANUM for the first term, and Professor F. R. SHARPE for the second term.

At Adelbert College of Western Reserve University, Dr. W. G. SIMON has been promoted to an assistant professorship, and Dr. C. A. NELSON of the University of Kansas has been appointed to an instructorship in mathematics.

Professor J. L. JONES, of Syracuse University, has been appointed head of the department of mathematics at Akron University.

At the College of the City of New York, Mr. J. A. BREWSTER has been promoted to an assistant professorship of mathematics, and Mr. W. A. WHYTE to an instructorship in mathematics.

Dr. MAELYNETTE ALDRICH, professor of mathematics, at Martha Washington College, a member of this Association, died from influenza on February 22.

Dr. O. A. RANDOLPH, associate professor of physics in the University of Colorado, a member of this Association, lost his life in a snow storm on April 11, during a mountain-climbing trip made for the purpose of photographing winter storm scenes.

Mr. J. W. LASLEY, Jr., assistant professor of mathematics at the University of North Carolina, has been on leave of absence and studying at the University of Chicago as fellow.

Dr. O. D. KELLOGG has been appointed associate professor of mathematics at Harvard University (correction of a previous statement, *1920*, 238).

Professor J. E. Rowe, of Pennsylvania State College, has resigned to accept an appointment as mathematics and dynamics expert in the ordnance bureau of the war department. He is serving as chief ballistician at the Aberdeen Proving Ground.

Dr. Gaston Julia (*1919*, 223) is maître de conférences de mathématiques at the Ecole des Hautes Etudes, Paris.

Dr. J. A. Brashear, manufacturer of astronomical and physical instruments at Pittsburgh, Pa., and member of many scientific societies, died on April 8, 1920 in his eightieth year.

Dr. Woldemar Voigt, professor of theoretical physics at the University of Göttingen since 1883, died December 13, 1919 at the age of sixty-nine years.

Vice-Admiral C. A. Campos Rodrigues, director of the obseravtory of Lisbon, died December 25, 1919 aged eighty-three years.

Professor Moritz Benedikt Cantor, who died at Heidelberg, April 10, 1920, was born at Mannheim, August 23, 1829. He received his doctorate sixty-nine years ago at the University of Heidelberg where he was appointed extraordinary professor in 1853 and honorary professor in 1877. Apart from his monumental *Vorlesungen über Geschichte der Mathematik*, 1880–1907, he was the author of: *Ueber ein wenig gebräuchliches Coordinatensystem* (diss.) 1851; *Grundzüge einer Elementar-Arithmetik*, 1855; *Mathematische Beiträge zum Kulturleben der Völker*, 1863; *Euklid und sein Jahrhundert*, 1867 (Italian translation, 1873); *Die römischen Agrimensoren und ihre Stellung in der Geschichte der Feldmesskunst, eine historisch-mathematische Untersuchung*, 1875; *Politische Arithmetik oder die Arithmetik des täglichen Lebens*, 1898; second edition, 1903.

Professor A. S. Eddington has been appointed President of the Section of Mathematics and Physics of the British Association for the Advancement of Science.

Professor Paul Appell, honorary dean of the Faculty of Sciences of the University of Paris has been appointed Rector of the Académie de Paris, in succession to the late Lucien Poincaré.

Dr. Emile Borel, recently professor of the theory of functions in the University of Paris, has, at his own request, been appointed professor of the calculus of probabilities and mathematical physics as successor to Professor Boussinesq, who has retired (*1919*, 419).

At the meeting of the American Mathematical Society in New York on April 24, the afternoon session was devoted to a symposium on relativity. Papers were presented as follows: By Professor LEIGH PAGE, "The physical and philosophical significance of the principle of the theory of relativity and Einstein's theory of gravitation;" by Professor L. P. EISENHART, "Geometric aspects of the Einstein theory."

At the meetings of the Division of Physical Sciences of the National Research Council on April 28–29, 1920, the following motions with reference to mathematics were adopted:

1. That the MATHEMATICAL ASSOCIATION OF AMERICA be asked to nominate one member for the Division of Physcial Sciences of the National Research Council.
2. That the Division of Physical Sciences recommend to the National Research Council that the American Section of Mathematics, organized under the statutes adopted by the Division, be made the authorized agent of the Council in the negotiations leading to the organization of the proposed International Mathematical Union and become its representative in that international body when it shall have been organized. Further, the Division recommends that upon the formal organization of the International Mathematical Union the Council signify its adhesion and that the annual contribution be paid as soon as funds are available.
3. That the number of members at large be increased by one with the understanding that the first man elected to this membership should represent mathematics.
4. That the Division approve of the project for the publication of a Journal of Mathematical Abstracts and recommend the appointment of a committee to work out details and to take steps in consultation with the Executive Committee of the Division and the Finance Committee of the Council, looking toward the securing of the necessary funds.
5. That a committee be appointed to consider further and in detail the project for securing a revolving fund to assist in the publication of important scientific books, monographs and translations which are so unprofitable from a commercial standpoint as not to appeal to regular publishing houses.
6. That the Division approve the project for the establishment of one or more Research Fellowships in Mathematics, such Fellowships to be administered by the Division, and that the Division request the assistance of the Finance Committee of the Council in securing funds for this purpose.

The Division considered also the recommendations of its Committee on Coöperation in Mathematical Projects (consisting of the representatives of the American Mathematical Society in the Division [see *1920,* 239] and Professors E. R. HEDRICK, and R. C. ARCHIBALD) regarding committees on two special branches of mathematics offering advantages in coöperative research, and the formation of these committees was left to the chairman.

The American Section of the International Mathematical Union referred to above is, according to its statutes, composed of: the president and secretary of the American Mathematical Society and its three representatives on the National Research Council, four other members selected by the American Mathematical Society, three members selected by the Mathematical Association of America, and one member each by the National Academy of Sciences, the American Astronomical Society, the American Physical Society, and the American Association for the Advancement of Science.

Additional announcements of mathematics courses in Summer Sessions (cf. *1920,* 192–194; 235–236) are as follows:

University of California, June 21–July 31. By Professor D. N. LEHMER: Theory of numbers; Special advanced study and research. By Professor R. G. D.

RICHARDSON: Plane trigonometry; Theory of functions of a complex variable. By Professor G. E. F. SHERWOOD: Graphic algebra; solid geometry. By Dr. F. R. MORRIS: Integral calculus. By Professor W. E. MILNE: Plane analytical geometry. Each class, except the one in "study and research," meets five times a week.

Cornell University, July 3–August 13. Elementary courses in solid geometry, advanced algebra, trigonometry, analytic geometry, and calculus will be given. The following advanced courses are offered: By Professor W. B. CARVER: Teachers' course, selected topics in algebra and geometry. By Professor D. C. GILLESPIE: Projective geometry. By Professor C. F. CRAIG: Analysis. In addition, opportunity for directed reading and research is offered in various fields by Professors F. R. SHARPE, W. B. CARVER, D. C. GILLESPIE, W. A. HURWITZ, F. W. OWENS, and C. F. CRAIG.

Johns Hopkins University, July 6–August 13: By Dr. TERESA COHEN, Analytic geometry, and a choice of work from (*a*) Geometrical transformations, (*b*) Elliptic functions, (*c*) Finite groups.

University of Maine, June 28–August 6. By Professors J. N. HART, H. R. WILLARD, and M. O. TRIPP: Teachers' course in algebra, Teachers' course in geometry, Solid geometry, Plane Trigonometry, College algebra, Analytic geometry, Differential and integral calculus, Advanced analytic geometry, Advanced calculus, Theory of functions.

Massachusetts Institute of Technology, June 21–July 26. By Professor F. S. WOODS: Analytic geometry. By Professors H. B. PHILLIPS and F. L. HITCHCOCK, and Mr. R. D. DOUGLASS: Elementary calculus, and Theoretical mechanics (introductory course). By C. L. E. MOORE: Theoretical mechanics (introductory course). By L. H. RICE: Elements of Differential equations, and Elementary calculus. By S. D. ZELDIN, Elementary calculus.

University of Texas, First Term, June 8–July 20: By Professor E. R. HEDRICK (University of Missouri), Advanced calculus, analytic geometry (straight line and circle). By Professor W. H. ROEVER (Washington University), Descriptive geometry, trigonometry. By Professor H. Y. BENEDICT, Differential calculus, analytic geometry (conic sections). By Professor H. J. ETTLINGER, Fundamentals in elementary mathematics, trigonometry. By Dr. P. M. BATCHELDER, Modern algebra, elementary algebra. By Dr. GOLDIE P. HORTON, Solid analytic geometry, elementary algebra. By Professor E. L. DODD, Least squares, life insurance. Second Term, July 20–August 31: By Professor P. R. RIDER (Washington University), Differential calculus (second part), analytic geometry (conic sections). By Professor C. D. RICE, Advanced mechanics, integral calculus. By Miss MARY DECHERD, Modern algebra (second part), analytic geometry (straight line and circle). By Mr. J. E. BURNAM, Trigonometry, solid geometry.